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EXAMINER

ISMAIL, SHAWKI SAIF

ART UNIT

PAPER NUMBER

2155

DATE MAILED: 03/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/813,487

Applicant(s)

LEE ET AL.

Examiner

Shawki S Ismail

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 October 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,4-8,11-15 and 18-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,4-8,11-15 and 18-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

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## DETAILED ACTION

1. This action is responsive to the amendment received on October 28, 2004. Claims 1, 8 and 15 have been amended. Claims 2-3, 9-10 and 16-17 have been cancelled. Claims 1, 4-8, 11-15, and 18-21 are pending examination.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 4-8, 11-15, and 18-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over **East et al. (East)**, U.S. Patent Application Publication No. **US 2003/0061323** and further in view of **Bailey et al. (Bailey)**, U.S Patent No. **6,205,508**.

1. As to claim 1, East teaches the method for administration of a thin client architecture comprising:

providing a plurality of administrators ([0049], multiple administrative servers may be allowed for a particular thin client);

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distributing a plurality of administrative tasks among said administrators ([0051], by designating multiple administrative servers and using a hierarchy, the task of updating thin clients may be distributed); and

executing said administrative tasks ([0052], a thin client management program is executed on one or more of the administrative servers.)

East does not explicitly teach wherein the distributing includes dividing said administrative tasks into a plurality of task groups wherein a first number of said task groups is equal to a second number of said administrators.

Bailey teaches multiprocessing computer systems. In multiprocessing environment, tasks are divided into groups or "threads" that can be handled by separate processors and the distributed tasks are distributed simultaneously in parallel (col. 1, lines 12-23).

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to incorporate the teaching of Bailey into the invention of East in order to increase the overall efficiency of the system. By enabling multiple administrators to take part in an even and equal distribution of tasks will allow the system to optimize the load placed on one administrator.

2. As to claim 4, East teaches the method of claim 1 wherein said administrative tasks are user account creation tasks ([0073], the master administrator configures additional password and performs administrative tasks, one of which might be account creation.)

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3. As to claim 5, East teaches the method of claim 1 wherein said administrative tasks are workgroup administration tasks ([0009], thin clients may be organized into arbitrary groups or clusters.)

4. As to claim 6, East teaches the method of claim 1 wherein said administrators are educators (an administrator is the manager of LAN and therefore is the educator to those connected to the network by configuring the network, maintaining the network's shared resources and security, assigning passwords and privileges and helping users.)

5. As to claim 7, East teaches the method of claim 1 further comprising:

storing an account state for a user; and routing said account state to a terminal wherein said user is logged into said terminal (East does teach that a network administrator performs administrative task [0009], however East does not explicitly teach account creation. Newton's Telecom Dictionary 20<sup>th</sup> edition states that one of the duties of an network administrator is to assign passwords and privileges to users of the network, therefore in order to do such a duty the administrator needs to store the account for the user and route the account to a terminal where the user can have access to the network.)

6. As to claim 8, East teaches an administration system for a thin client architecture comprising:

a plurality of administrators ([0049], multiple administrative servers may be allowed for a particular thin client);

a distribution mechanism configured to distribute a plurality of administrative tasks among said administrators ([0051], by designating multiple

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administrative servers and using a hierarchy the task of updating thin clients may be distributed),

a task execution device configured to enable said administrators to execute said administrative tasks ([0052], a thin client management program is executed on one or more of the administrative servers.)

East does not explicitly teach wherein the distribution mechanism includes dividing said administrative tasks into a plurality of task groups wherein a first number of said task groups is equal to a second number of said administrators.

Bailey teaches multiprocessing computer systems. In multiprocessing environment, tasks are divided into groups or "threads" that can be handled by separate processors and the distributed tasks are distributed simultaneously in parallel (col. 1, lines 12-23).

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to incorporate the teaching of Bailey into the invention of East in order to increase the overall efficiency of the system. By enabling multiple administrators to take part in an even and equal distribution of tasks will allow the system to optimize the load placed on one administrator.

7. As to claim 11, East teaches the administration system of claim 8 wherein said administrative tasks are user account creation tasks ([0073], the master administrator configures additional password and performs administrative tasks, one of which might be account creation.)

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8. As to claim 12, East teaches the administration system of claim 8 wherein said administrative tasks are workgroup administration tasks ([0009], thin clients may be organized into arbitrary groups or clusters.)

9. As to claim 13, East teaches the administration system of claim 8 wherein said administrators are educators (an administrator is the manager of LAN and therefore is the educator to those connected to the network by configuring the network, maintaining the network's shared resources and security, assigning passwords and privileges and helping users.)

10. As to claim 14, East teaches the administration system of claim 8 further comprising:

a storage unit configured to store an account state for a user; and a router configured to route said account state to a terminal wherein said user is logged into said terminal (East does teach that a network administrator performs administrative task [0009], however East does not explicitly teach account creation. Newton's Telecom Dictionary 20<sup>th</sup> edition states that one of the duties of an network administrator is to assign passwords and privileges to users of the network, therefore in order to do such a duty the administrator needs to store the account for the user and route the account to a terminal where the user can have access to the network.)

11. As to claim 15, East teaches a computer program product comprising:  
a computer usable medium having computer readable program code embodied therein configured for administration of a thin client architecture, comprising:

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computer readable code configured to cause a computer to provide a plurality of administrators ([0049], multiple administrative servers may be allowed for a particular thin client);

computer readable code configured to cause a computer to distribute a plurality of administrative tasks among said administrators ([0051], by designating multiple administrative servers and using a hierarchy the task of updating thin clients may be distributed), wherein the distributing includes causing the computer to divide said administrative tasks into a plurality of task groups wherein a first number of said task groups is equal to a second number of said administrators; and

computer readable code configured to cause a computer to enable said administrators to execute said administrative tasks ([0052], a thin client management program is executed on one or more of the administrative servers.)

East does not explicitly teach wherein the distributing includes dividing said administrative tasks into a plurality of task groups wherein a first number of said task groups is equal to a second number of said administrators.

Bailey teaches multiprocessing computer systems. In multiprocessing environment, tasks are divided into groups or "threads" that can be handled by separate processors and the distributed tasks are distributed simultaneously in parallel (col. 1, lines 12-23).

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to incorporate the teaching of Bailey into the invention of East in order to increase the overall efficiency of the system. By enabling



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multiple administrators to take part in an even and equal distribution of tasks will allow the system to optimize the load placed on one administrator.

12. As to claim 18, East teaches the computer program product of claim 15 wherein said administrative tasks are user account creation tasks ([0073], the master administrator configures additional password and performs administrative tasks, one of which might be account creation.)

13. As to claim 19, East teaches the computer program product of claim 15 wherein said administrative tasks are workgroup administration tasks ([0009], thin clients may be organized into arbitrary groups or clusters.)

14. As to claim 20, East teaches the computer program product of claim 15 wherein said administrators are educators (an administrator is the manager of LAN and therefore is the educator to those connected to the network by configuring the network, maintaining the network's shared resources and security, assigning passwords and privileges and helping users.)

15. As to claim 21, East teaches the computer program product of claim 15 further comprising:

computer readable code configured to cause a computer to store an account state for a user; and computer readable code configured to cause a computer to route said account state to a terminal wherein said user is logged into said terminal (East does teach that a network administrator performs administrative task [0009], however East does not explicitly teach account creation. Newton's Telecom Dictionary 20<sup>th</sup> edition states that one of the duties of an network administrator is to assign passwords and privileges to users of the

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network, therefore in order to do such a duty the administrator needs to store the account for the user and route the account to a terminal where the user can have access to the network.)

16. Applicant's arguments with respect to claims 1, 4-8, 11-15, and 18-21 have been considered but are moot in view of the new ground(s) of rejection. New reference Bailey has been introduced in response to applicant's argument on page 11.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawki S Ismail whose telephone number is 571-272-3985. The examiner can normally be reached on M-F 8:30 - 5:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shawki Ismail  
Patent Examiner  
March 11, 2005



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SUPERVISORY PATENT EXAMINER